IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (Currently Amended) A method of adjusting at least one parameter for the compression of data representing physical quantities into compressed data, ~~the compressed data then being coded according to a coding made in order to protect the compressed data from transmission errors,~~ the method including, ~~as from a required compressed data size,~~ the steps of:

determining a required size for the compressed data before coding according to a coding mode in order to protect the compressed data from transmission errors;

determining at least one characteristic of said coding mode;

determining an effective size of the compressed data according to the required size and the at least one characteristic; and

adjusting at least one compression parameter according to the effective size.

2. (Currently Amended) A method of compressing data representing physical quantities into compressed data, and coding the compressed data in order to protect the compressed data from transmission errors, the method including, ~~as from a required compressed data size,~~ the steps of:

determining a required size for the compressed data before coding

according to a coding mode in order to protect the compressed data from transmission

errors;

determining at least one characteristic of said coding mode;

determining an effective size of the compressed data according to

the required size and the at least one characteristic;

adjusting at least one compression parameter according to the

effective size;

compressing the data; and

coding the compressed data.

3. (Previously Presented) The method according to Claim 1 or 2, in which

the required size is determined automatically.

4. (Currently Amended) The method according to ~~any one of Claims~~ Claim

1 or 2, in which the required size is determined according to constraints related to

subsequent decoding and decompression of the data.

5. (Currently Amended) The method according to ~~any one of Claims~~ Claim

1 or 2, in which said coding mode processes the data by groups of predetermined length,

and the at least one characteristic of said coding mode is the predetermined length.

6. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which said coding mode is a turbocoding and the characteristic is an interleaving length of the turbocoding.

7. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which said coding mode is a convolutional coding.

8. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which the adjustment of at least one compression parameter is a control of the throughput of the compressed data in order to obtain the effective size.

9. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which the compression parameter is the effective size.

10. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which the compression parameter is the resolution of the data after decompression.

11. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which the compression parameter is a quantization step.

12. (Previously Presented) The method according to Claim 6, in which the effective size is an integer multiple of the interleaving length.

13. (Currently Amended) The method according to ~~any one of Claims~~ Claim 1 or 2, in which the effective size is determined by rounding the required size.

14. (Currently Amended) A device for adjusting at least one parameter for compressing data representing physical quantities into compressed data, ~~the compressed data than being coded according to a coding mode in order to protect the compressed data from transmission errors,~~ comprising:

    means of determining a required size for the compressed data before coding according to a coding mode in order to protect the compressed data from transmission errors;

    means of determining at least one characteristic of the coding mode;

    means of determining an effective size of the compressed data according to [[a]] the required compressed data size and the at least one characteristic; and

    means of adjusting at least one compression parameter according to the effective size.

15. (Currently Amended) A device for compressing data representing physical quantities, and coding the compressed data in order to protect the compressed data from transmission errors, comprising:

means of determining a required size for the compressed data before

coding according to a coding mode in order to protect the compressed data from

transmission errors;

means of determining at least one characteristic of said coding

mode;

means of determining an effective size of the compressed data

according to [[a]] the required compressed data size and the at least one characteristic;

means of adjusting at least one compression parameter according to

the effective size;

means of compressing the data; and

means of coding the compressed data.

16. (Previously Presented) The device according to Claim 14 or 15,

adapted to determine the required size automatically.

17. (Currently Amended) The device according to any one of Claims Claim

14 or 15, adapted to determine the required size according to constraints related to subsequent

decoding and decompression of the data.

18. (Currently Amended) The device according to any one of Claims Claim

14 or 15, in which said coding means process the data by groups of predetermined length,

and the at least one characteristic of said coding mode is the predetermined length.

19. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, in which said coding means use a turbocoding having a characteristic which is an interleaving length of the turbocoding.

20. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, in which said coding means use a convolutional coding.

21. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, in which said means of adjusting at least one compression parameter use a control of the throughput of the compressed data in order to obtain the effective size.

22. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, adapted to consider a compression parameter which is the effective size.

23. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, adapted to consider a compression parameter which is the resolution of the data after decompression.

24. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, adapted to consider a compression parameter which is a quantization step.

25. (Previously Presented) The device according to Claim 19, adapted to consider an effective size which is an integer multiple of the interleaving length.

26. (Currently Amended) The device according to ~~any one of Claims~~ Claim 14 or 15, adapted to consider an effective size which is determined by rounding the required size.

27. (Previously Presented) The device according to Claim 14, in which said determination and adjustment means are incorporated in:

a microprocessor,

a read only memory containing a program for processing the data, and

a random access memory containing registers adapted to record variables modified during the running of said program.

28. (Previously Presented) A device according to Claim 15, in which said determination, adjustment, compression and coding means are incorporated in:

a microprocessor,

a read only memory containing a program for processing the data, and

a random access memory containing registers adapted to record variables modified during the running of said program.

29. (Previously Presented) A system including a device according to any one of Claims 14 or 15, and a second corresponding data decoding and decompression device, in

which the required size is determined according to constraints related to the decoding and decompression of the data.

30. (Currently Amended) An apparatus for processing a digital image, having means adapted to implement the method according to ~~any one of Claims~~ Claim 1 or 2.

31. (Currently Amended) An apparatus for processing a digital image, including the device according to ~~any one of Claims~~ Claim 14 or 15.

32. (Currently Amended) A storage medium storing a program for implementing the method according to ~~any one of claims~~ Claim 1 or 2.

33. (Canceled)

34. (Previously Presented) The storage medium according to claim 32, in which said storage medium is a floppy disk or a CD-ROM.